

# Virginia Environmental Excellence

## Reporting Guidelines

### I. Results:

Please quantify the amount of waste avoided through P2 and EMS efforts for the reporting year.

WASTE AVOIDED	AMOUNT (lb., gal, kWh, etc.)	COST SAVINGS	EXPLANATION/P2 PROJECT
Hazardous Waste			
Solid Waste	9,226,195 gallons	\$1,200,000	The facility re-circulates leachate into the waste mass instead of trucking to a POTW for treatment.
Water Usage			
Air Emissions	3200# NO <sub>x</sub> 683# CO 118200# CO <sub>2</sub>		The estimated savings of using Alternate Daily Cover per acre of coverage vs. 6" of soil per one acre of coverage by reducing the use of heavy equipment.
*Energy Usage			

\* Energy Usage can be converted into emissions via emissions calculator @

<http://www.cleanerandgreener.org/pollution-from-electricity.htm>

### II. Successes:

Please share any environmental success stories related to the reporting year. This includes policy changes, new programs and/or certifications.

Atlantic Waste Disposal Inc. (AWDI) teamed up with Enerdyne Power Systems and Honeywell to build a dedicated pipeline to the Honeywell Hopewell Plant to use the Landfill Gas (LFG) as fuel. This provides energy recovery and beneficial use for the LFG. The facility was also successful in using Posi-shell as temporary cover and as Alternate Daily Cover (ADC). The use of ADC reduces the need to transport dirt as cover material thereby reducing the usage of heavy equipment and thereby reducing air emissions. AWDI was also able to re-circulate over 9 million gallons of leachate that eliminated the need to have the leachate treated by a water treatment facility. This also reduced the emissions associated with transporting the leachate to a water treatment facility. AWDI also started a program to recycle white goods (dishwasher, dryers, refrigerators, etc.) rather than landfilling them. AWDI also uses shredded tires as a drainage media in the construction of the landfill cells. This reduces the amount of gravel that must be quarried and hauled to the site and provides a beneficial use for scrap tires. AWDI has programs to recycle batteries and fluorescent light bulbs.

Atlantic Waste Disposal Inc.

VADEQ Air Reg.: 51278

### **III. Goals & Objectives:**

1. Please describe your facility's progress in achieving your goals for the reporting year.

AWDI was successful in achieving the goals as set forth in the beginning of 2003. The primary goals were the completion of the Enerdyne/Honeywell pipeline. The facility continues to evaluate the progress toward meeting the company's environmental goals

2. Please state your goals & objectives for the coming year.

- Construct final capping on portions of the landfill, thereby reducing air and odorous emissions
- Have no off site odors for the landfill
- Use software to track equipment usage statistics to minimize excess equipment operation
- Maximize the Landfill Gas (LFG) that is sent to Honeywell.
- Find a non-hazardous compound to suppress dust instead of using storm water. The application of a long lasting dust suppressant should reduce air emissions and fuel usage by reducing the truck mileage to apply the water.

### **IV. Compliance Issues:**

Briefly describe any environmental compliance issues identified by DEQ during the past year, if any, as well as steps taken to reduce the likelihood of future occurrences.